

# O&M TRAINING CENTER COURSE

<b>Course Title:</b>	Voltage Regulators
<b>Location:</b>	San Joaquin Field Division
<b>Sponsor:</b>	O&M Training Center
<b>Participants:</b>	O&M Journeylevel Trades & Crafts Personnel
<b>Class Limits:</b>	Minimum 8, Maximum 16
<b>Class Dates:</b>	
<b>Time:</b>	0800 to 1530 hours - Days 1 & 2 0800 to 1200 hours - Day 3 20 Hours
<b>Instructor:</b>	John Addington
<b>Course Information:</b>	This is a 20-hour course on the theory of operation, and applications of voltage regulators.
<b>Class Prerequisites:</b>	Students should have a basic understanding of 3Ø electrical theory, electrical motors, generators and VAR flow.

## Class Subjects

<b>Day One - 8 Hours</b> <ul style="list-style-type: none"> <li>• Why voltage regulators are needed.</li> <li>• History of voltage regulators.</li> <li>• Basic theory of what a voltage regulator does.</li> </ul>	<b>Day Two - 8 Hours</b> <ul style="list-style-type: none"> <li>• Use of voltage regulator with relays.</li> <li>• Operation of a WTA voltage regulator.</li> <li>• How to put a voltage regulator in and out of service.</li> </ul>	<b>Day Three - 4 Hours</b> <ul style="list-style-type: none"> <li>• Field trip to a plant.</li> <li>• Instructional hands-on operation of a voltage regulator.</li> </ul>
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